RAYCORE
FIBER OPTIC SOLUTIONS

Optical Power Meter

RC-PM3211

RC-PM3211 Optical Power Meter is a handheld optical power meter, newly released in 2007, which can be used for absolute optical power measurements as well as for relative loss measurements in optic fiber networks. An Ø1.0mm photosensitive area photodiode is used to significantly improve the stability and the reliability. It features ingenious appearance, wide range of power measurement, high accuracy, user self-calibration function and reference power level storage.

Features

- Wide dynamic measurement range (**up to 80dB**)
- Reference power level storage(**Ref** Setting)
- User self-calibration function
- Comfortable LCD display and backlight LCD display supports night operation.
- Power measurements in dBm or mw and insertion loss in dB
- 10 minutes Auto-off function can be activated or deactivated.
- AA alkaline batteries can last more than 140 hours, AC adaptor also available
- Low battery indication

Applications

- Telecom Maintenance
- CATV Maintenance
- Fiber Optic lab testing
- Other Fiber Optic Measurements

Specifications

MODEL	RC-PM3211A	RC-PM3211C
Wavelength(nm)	800~1700nm	
Detector Type	InGaAs	
Detector Size	Ø ***1.0mm***	
Measurement Range (dBm)	**-70~+10**	**-50~+30**
Uncertainty	±5%	
Calibrated Wavelength(nm)	**850,1300,1310,1490,1550,1625**	
Resolution(dB)	0.01	
Optical Connector	FC(interchangeable SC,ST) / as well as 2.5mm universal	
Power Supply	Alkaline Battery(3 AA 1.5V batteries); AC Adaptor(9V)	
Battery Operating Time	140 h with 1.5V Battery(3pcs)	
Operating Temperature(℃)	-10 ~ +60	
Storage Temperature(℃)	-25 ~ +70	
Relative Humidity	0 to 95% (non-condensing)	
Dimension(mm)	190X100X50	
Weight(g)	370	

Standard Packages

MODEL	INCLUDES
All RC-PM3211 Models	RC-PM3211 Optical Power Meter, 3pcs 1.5V batteries, AC Adaptor, User Manual, Cotton Stick and Soft carrying case.

Optical Adapters for Optical Power Meter Output

Option 1: FC, SC, ST Interchangeable / 2.5mm universal connector adapter Port

is the most commonly used connector type for Raycore Optical power meters. It features:

a) Interchangeable FC, SC, ST connector adapters, which means the user can choose any of the FC, SC, ST adapters to be fixed well with the connectors. Changing the adapter is very simple: unscrew one and screw in the next. Please refer to the picture below for a better understanding.

b) 2.5mm Universal connector adapter. After unscrewing any of the interchangeable connector adapters, the user will see a fixed 2.5mm metal plug which we call a 2.5mm universal connector adapter. It can accept most of the 2.5mm diameter ferrule connectors, such as FC,SC, ST,DIN, E2000 and SMA. It means that with one plug a variety of connectors can be connected as long as the ferrule diameter is 2.5mm. These connectors however use only a **push/pull mechanism** and cannot to be fixed or screwed. Please refer to the right picture for a better understanding.

Note: Usually, if no customer special requests, we will use this type connector port as the standard adaptor for our Handheld optical power meters.

Option 2: LC, SC, ST, FC Interchangeable adapters Port (No Universal Adapter Available)

To meet the requirements of the LC connector type, we specially released the **Option 2** interchangeable connector adapters. It features:

a) LC, SC, ST, FC connector adapters can be interchangeable, which means the user can choose any one of LC,SC ,ST and FC adapters to be fixed well with the connectors. Changing the adapter is very simple, unscrew one and screw in the next. Please refer to the picture below for a better understanding.

b) **No universal connector adapter available.**
Please refer to the pictures below for a better understanding!